

FIG. 1

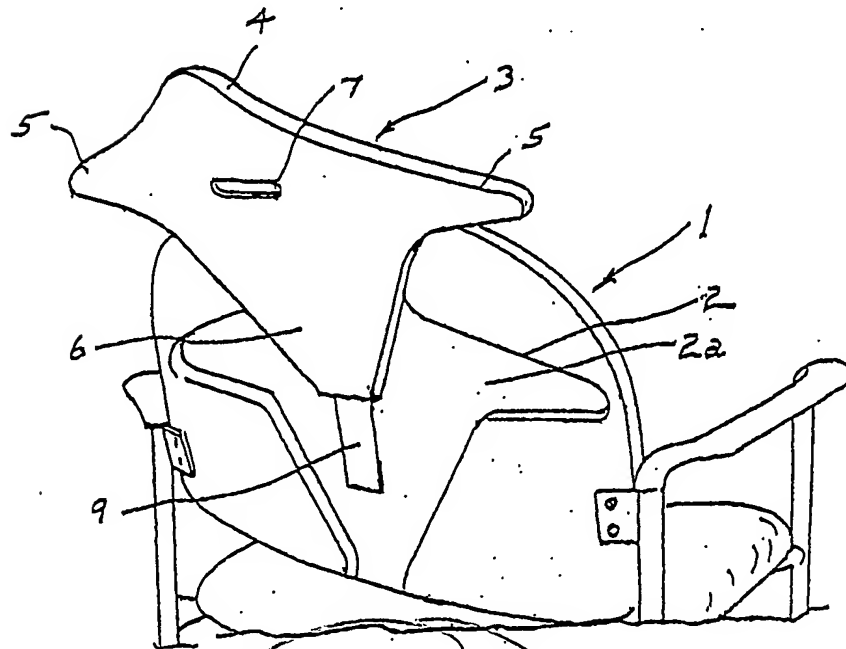


FIG. 2

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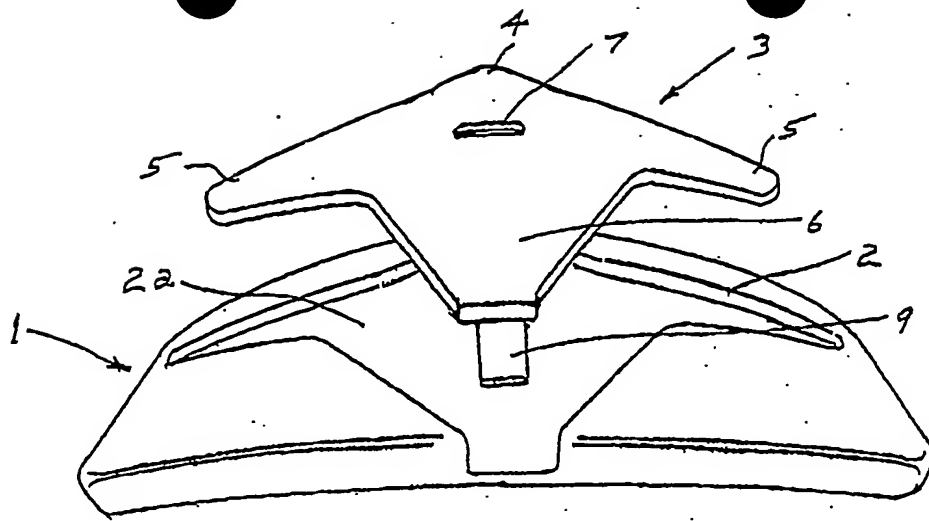


FIG. 4

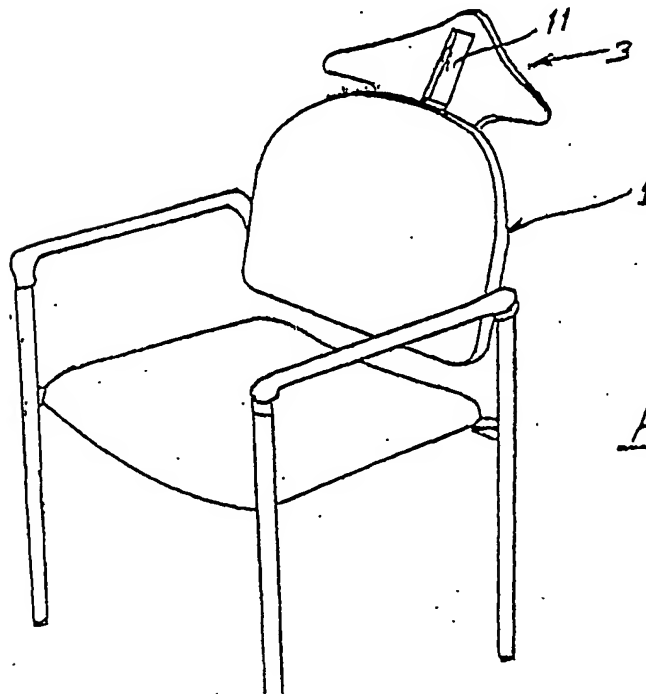
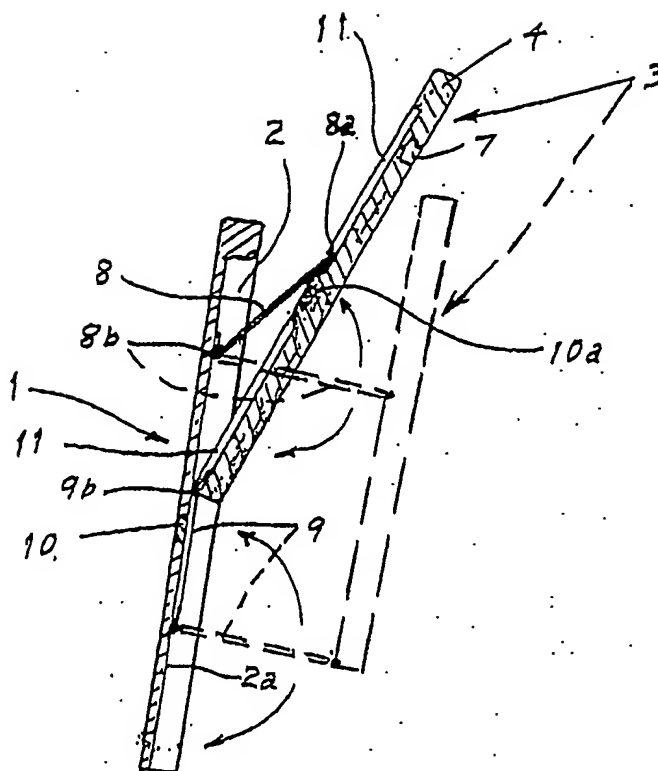
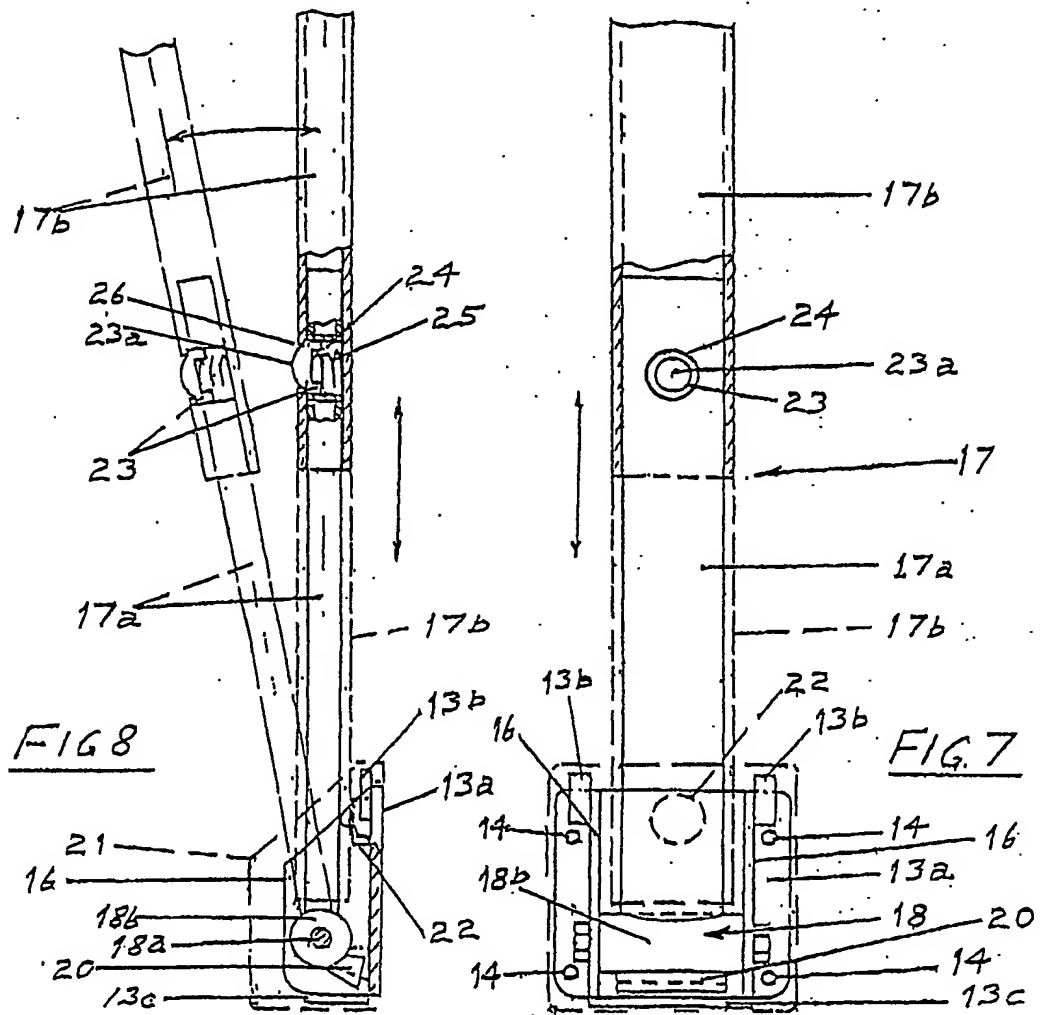
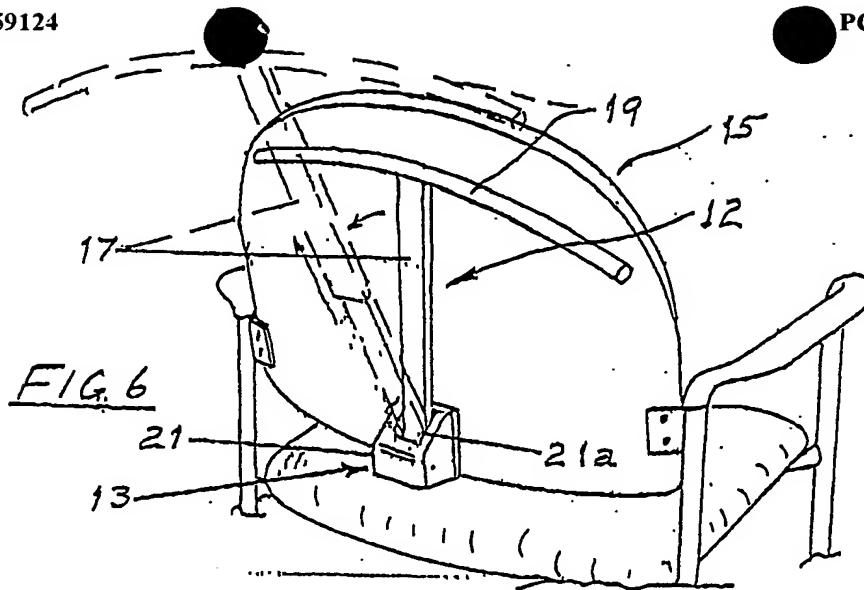


FIG. 3

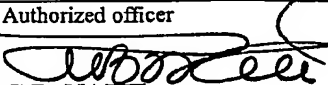
FIG. 5



INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ02/00209

A. CLASSIFICATION OF SUBJECT MATTER		
Int. Cl. ⁷ : A47C 7/64, 1/10		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched US CLASS : 297/463.2		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI: IPC Class marks as above + Keyword (Hanger) IFIPAT: US Class marks as above		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	Patent Abstracts of Japan, JP 08-243005A (MARUKEI JIDOSHA KOGYO KK), 24 September 1996 Abstract	1-2, 5-7, 17-21 3-4, 8-16
X A	Patent Abstracts of Japan, JP 08-150043A (SKYLITE IND CO LTD), 11 June 1996 Abstract	1-2, 5-7, 17-21 3-4, 8-16
X A	Patent Abstracts of Japan, JP 2001-190357A (ARACO CORP), 17 July 2001 Abstract	1, 5-7 2-4, 8-21
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>		
Date of the actual completion of the international search 27 November 2002		Date of mailing of the international search report 16 DEC 2002
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929		Authorized officer  G.B. NATH Telephone No : (02) 6283 2126

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	EP 970640A (PROVENDA MARKETING AG), 12 January 2000 Figures	1, 5-7 2-4, 8-21
X A	US 4957230A (GONZALES), 18 September 1990 Figures	1, 5-7 2-4, 8-21
X A	Patent Abstracts of Japan, JP 2000-262352A (KUDO AKIRA), 26 September 2000 Abstract	1, 5-7 2-4, 8-21
X A	Patent Abstracts of Japan JP 11-155690A (ITOKI CO LTD), 15 June 1999 Abstract	1, 5-7 2-4, 8-21
A	Patent Abstracts of Japan, JP 2001-145541A (ONO KOICHI), 29 May 2001 Abstract	1-21
A	Patent Abstracts of Japan, JP 08-228887A, (HARA KENICHIRO), 10 September 1996 Abstract	1-21

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/NZ02/00209

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member	
JP	08-243005	NONE	
JP	08-150043	NONE	
JP	2001-190357	NONE	
EP	970640	NONE	
US	4957230	EP	497786 WO 91/04173
JP	11-155690	NONE	
JP	2001-145541	NONE	
JP	08-228887	NONE	
JP	2000-262352	NONE	
			END OF ANNEX